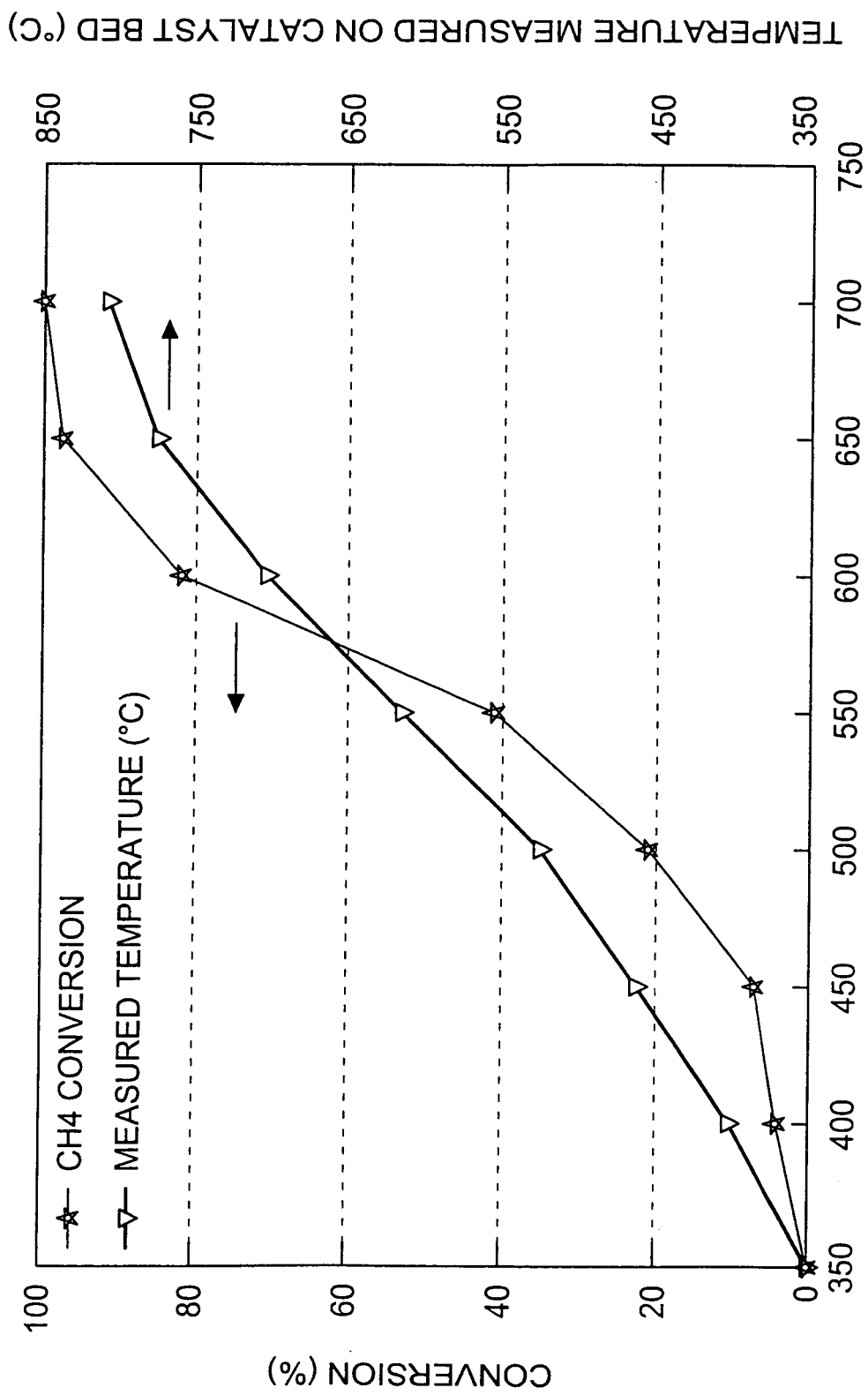


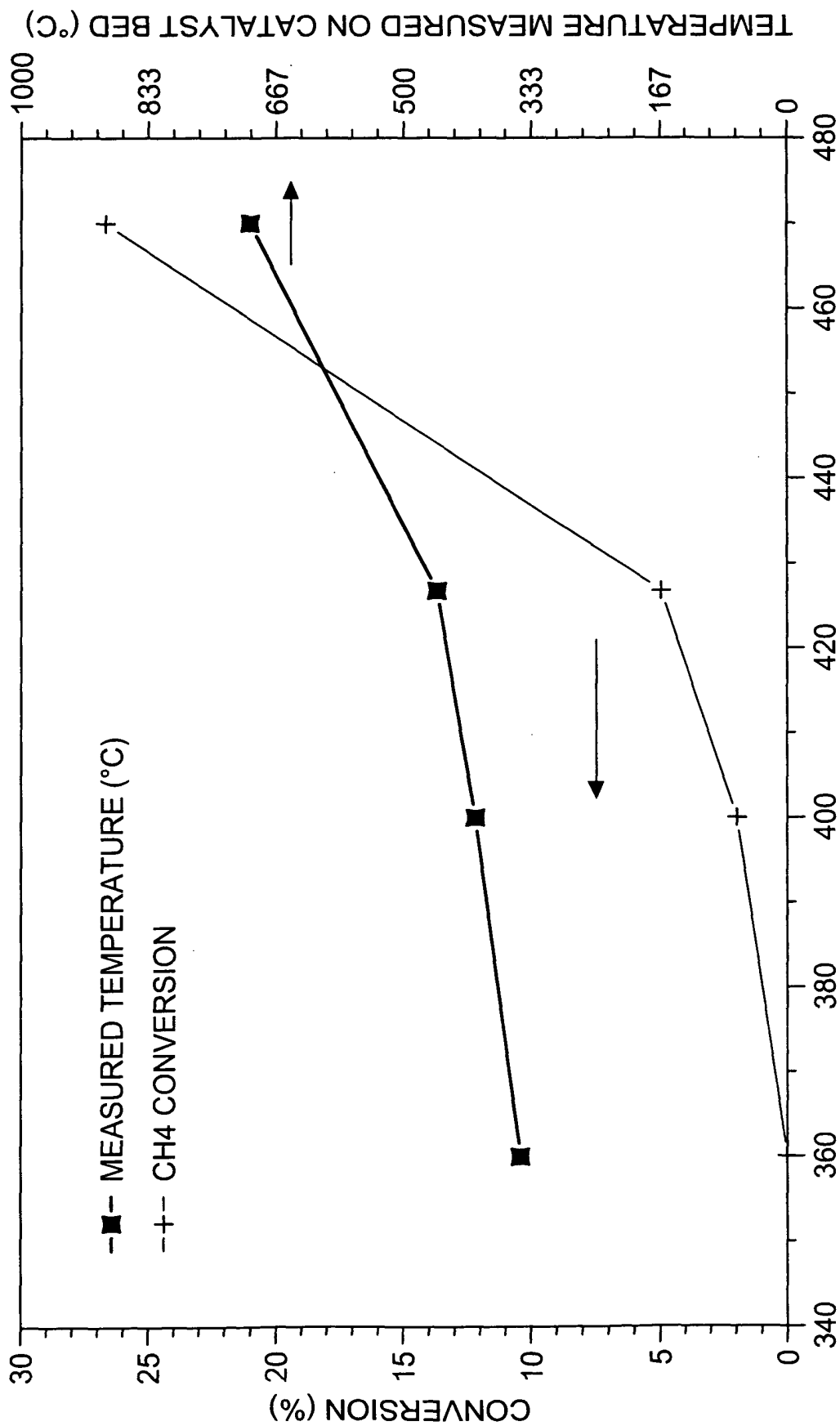
TESTS CONDUCTED WITH 0,5 g OF CATALYST BY FEEDING WITH  
700 ml/min AIR AND 15 ml/min METHANE

Fig 1



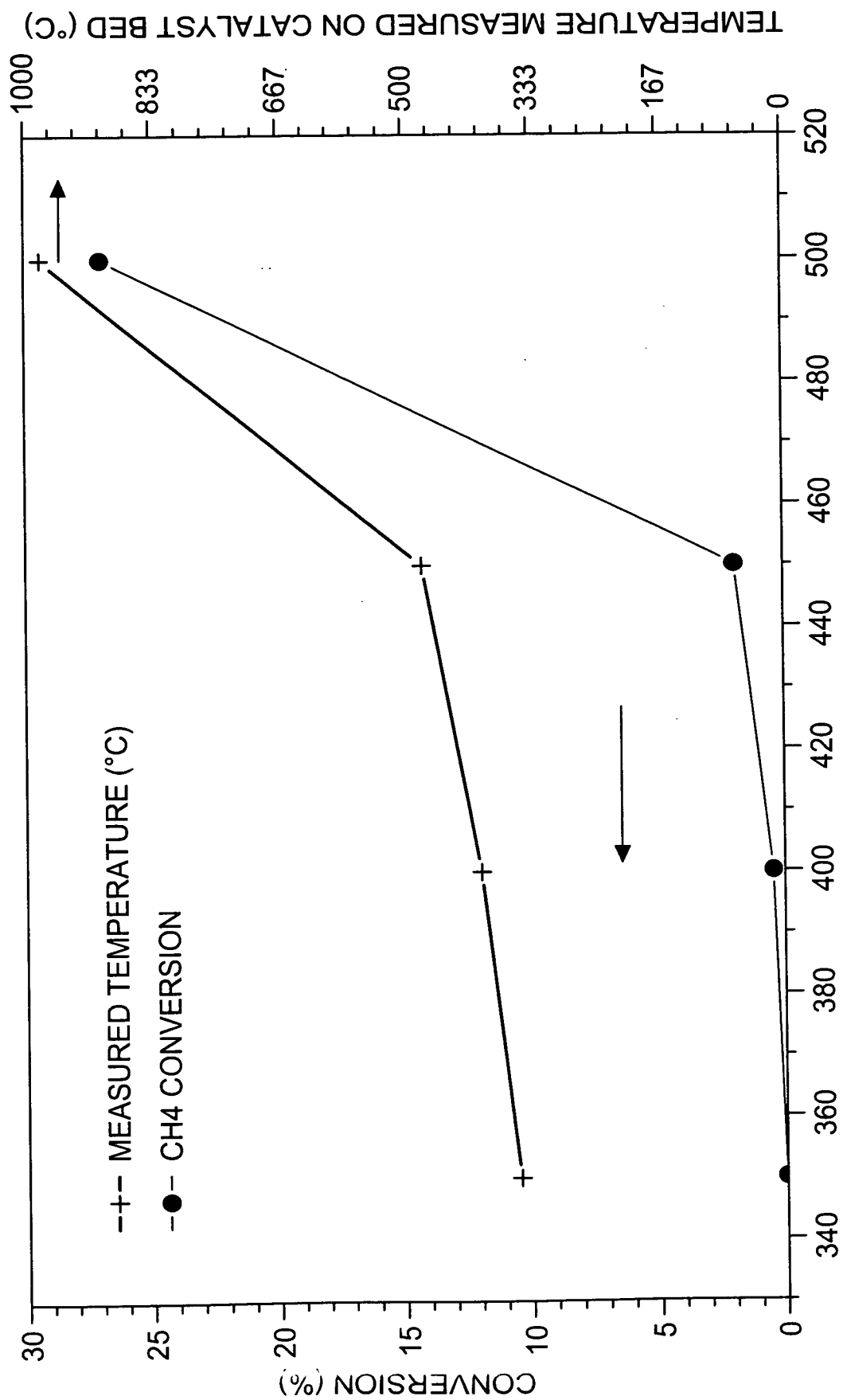
SET TEMPERATURE OF GAS (°C)  
TESTS CONDUCTED WITH 0,5 g OF CATALYST BY FEEDING WITH  
700 ml/min AIR AND 15 ml/min METHANE

Fig. 2



TESTS CONDUCTED WITH 0.2 g OF CATALYST BY FEEDING WITH  
60 ml/min METHANE, 30 ml/min OXYGEN, AND 600 ml/min NITROGEN

Fig. 3



SET TEMPERATURE OF GAS (°C)

TESTS CONDUCTED WITH 0.5 g OF CATALYST BY FEEDING WITH  
200 ml/min METHANE, 100 ml/min OXYGEN, AND 400 ml/min NITROGEN

Fig. 4

12% CATALYST ON POROUS ALUMINA

AMOUNT OF CATALYST: 0,5 g

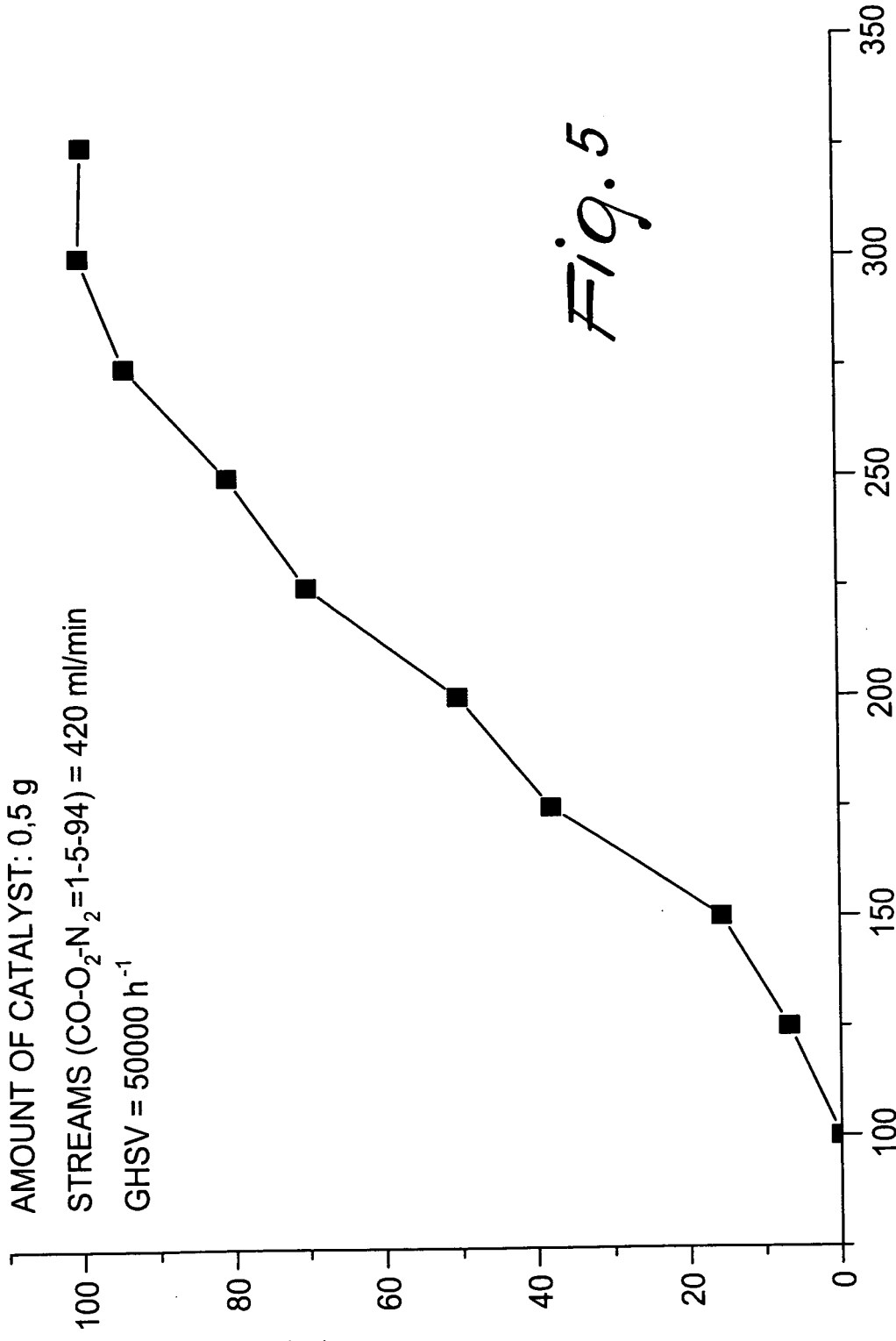
STREAMS (CO-O<sub>2</sub>-N<sub>2</sub> = 1.5-94) = 420 ml/min

GHSV = 50000 h<sup>-1</sup>

CONVERSION (%)

REACTOR TEMPERATURE (°C)

Fig. 5



11% CATALYST ON POROUS ALUMINA

AMOUNT OF CATALYST: 0,5 g

STREAMS ( $\text{CO-O}_2\text{-N}_2 = 1.5-94$ ) = 420 ml/min

GHSV = 50000  $\text{h}^{-1}$

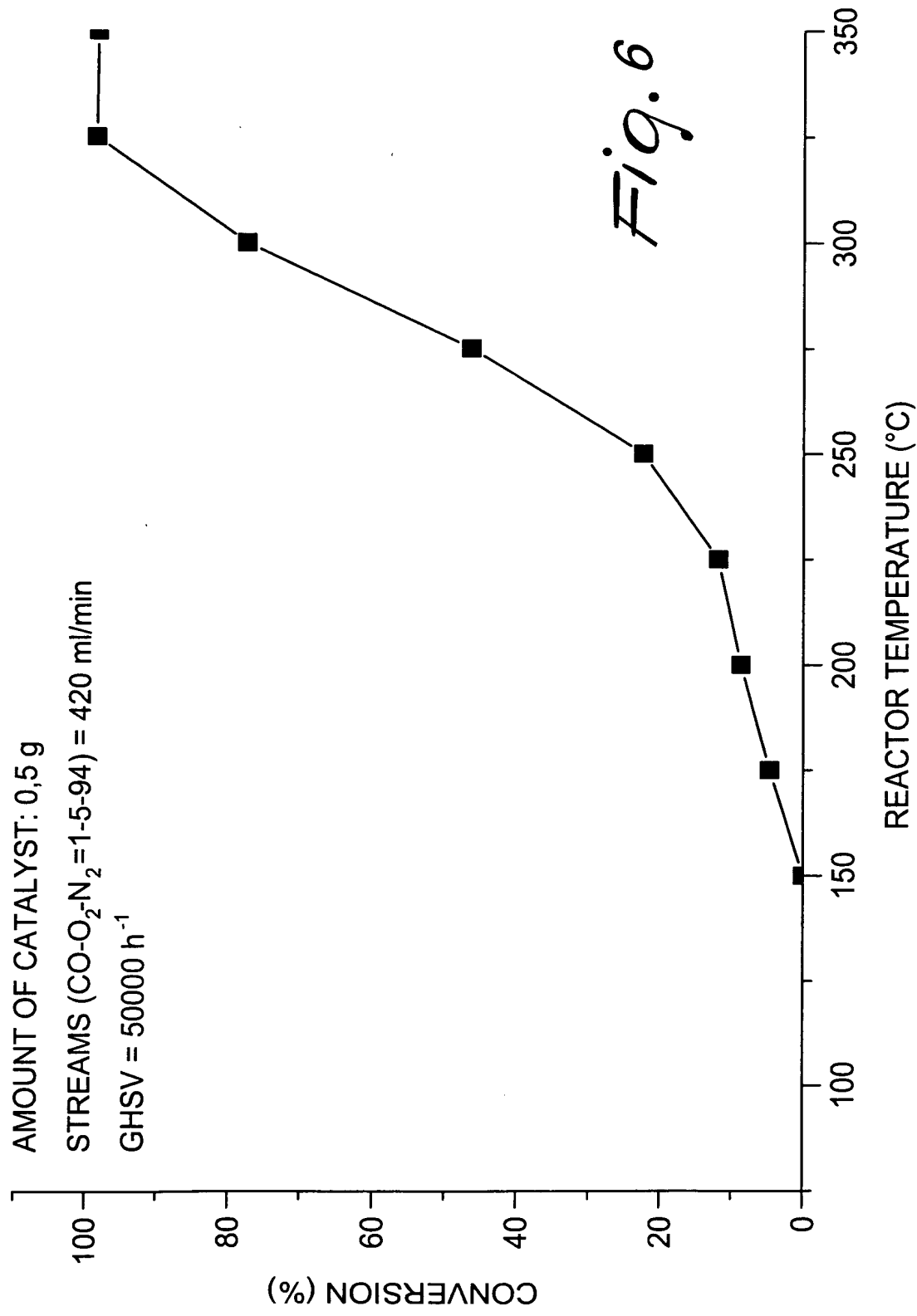


Fig. 6